

11/665692

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

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OMB No. 0651-0027 (exp. 6/30/2008)

04-25-2007



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To the Director of the U.S. Patent and Trademark Office

and documents or the new address(es) below.

4-18-07

**1. Name of conveying party(ies)**

Jarmo Mäkinen  
Anders Svensson

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) March 16, 2007

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

**2. Name and address of receiving party(ies)**

Name: Powerwave Technologies Sweden AB

Internal Address: Antennvägèn 6, Box 1178

Street Address: Antennvägèn 6, Box 1178

City: Täby

State: \_\_\_\_\_

Country: Sweden Zip: S-187 80

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)  
Submitted herewith.

B. Patent No.(s)

11/665692

04/20/2007 MKAYPAGH 00000064 11/665692  
06 FC:8081 40.00 DP

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: David L. Henty

Internal Address: 19900 MacArthur Boulevard, Ste. 1150

Street Address: 19900 MacArthur Boulevard, Ste. 1150

City: Irvine

State: California Zip: 92612

Phone Number: 949-223-9600

Fax Number: 949-223-9610

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:**

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 01-1960

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

4-17-07  
Date

David L. Henty  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)**

Docket No.  
PWV1.PAU.177

*This is an Assignment of the following rights, title and interest: (check all that apply):*

- United States of America rights, title and interest in the invention*
- Foreign rights, title and interest in the invention*
- United States Patent Application Serial No.* \_\_\_\_\_  
*Date of Execution:* \_\_\_\_\_ *Date of Filing:* \_\_\_\_\_
- United States Provisional Patent Application Serial No.* \_\_\_\_\_
- United States Patent No(s).* \_\_\_\_\_
- International (PCT) Patent Application Serial No.* PCT/SE2005/001537
- Other (specify)* SE Patent Application No. 0402523-5

**Title of the Invention**

A FILTER

**Inventors (assignors)**

<i>Name</i>	<i>Address</i>
Jarmo Mäkinen	Wasavägen 18, S-186 94 Vallentuna, Sweden
Anders Svensson	Lillkalmarsvägen 23, S-182 65 Djursholm, Sweden

**Assignee**

<i>Name</i>	<i>Address</i>
Powerwave Technologies Sweden AB	Antennvägen 6 Box 1178, S-187 80 Täby, Sweden

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)**

Docket No.  
PWV1.PAU.177

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

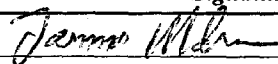
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

*Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)*

Name	Signature/Date
Jarmo Mäkinen	 2007.03.16
Anders Svensson	

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(Multiple inventors; single assignee)**

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- United States Patent Application Serial No. \_\_\_\_\_*  
*Date of Execution: \_\_\_\_\_ Date of Filing: \_\_\_\_\_*
- United States Provisional Patent Application Serial No. \_\_\_\_\_*
- United States Patent No(s). \_\_\_\_\_*
- International (PCT) Patent Application Serial No. PCT/SE2005/001537*
- Other (specify) SE Patent Application No. 0402523-5*

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**Inventors (assignors)**

<i>Name</i>	<i>Address</i>
Jarmo Mäkinen	Wasavägen 18, S-186 94 Vallentuna, Sweden
Anders Svensson	Lillkalmarsvägen 23, S-182 65 Djursholm, Sweden

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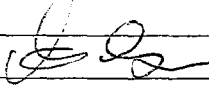
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And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

*Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)*

Name	Signature/Date
Jarmo Mäkinen	
Anders Svensson	 22/3 2007